

Scope

W6NWG

Palomar Amateur Radio Club Inc.

POST OFFICE BOX 1603, VISTA, CALIFORNIA 92083-0530



W6NWG / R 146.730 (-), 449.425 (-), 145.050 (Pkt).

KA6UAI / R 147.135 (+).

WD6HFR / R 224.900 (-)

VOL. XXIV, NO., 2

FEBRUARY, 1989

PRESIDENT: Stan Rohrer, W9FQN, Valley Center 749-0276
 VICE PRES: Mac McCarthy, NH6EW, Oceanside 945-7391
 SECRETARY: Nash Williams, W6HCD, Bonsall 728-3574
 TREASURER: Ron Wilhelmy, WI6B, Rancho Santa Fe 756-3133

 CLUB MEETINGS are held on the first Wednesday of the month at 7:30 p.m. in the CAFETERIA at Lincoln Middle School between East Vista Way and Eucalyptus on Escondido Ave. in Vista. Parking is available in the main lot accessible from East Vista Way; and in the City Hall parking lot across Escondido from the School. Talk in on 146.730. Visitors are welcome. MEETINGS ARE NOT A FUNCTION OF THE VISTA UNIFIED SCHOOL DISTRICT AND ARE NOT SANCTIONED BY THE SCHOOL DISTRICT BOARD OF TRUSTEES. So there!

FEBRUARY CLUB MEETING

The program for February will be presented by Brian Comer, KF6C, who will tell us about a computer-controlled VLV-HF receiver. Coffee by NH6EW; and tasties by those of us who remember to bring them - don't forget.

 MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is \$12 per year with no initiation fee, and includes a subscription to SCOPE. Family memberships are \$12 for the first family member, and \$9.00 for each subsequent member at the same address. Membership matters, changes of address, subscription matters: P.O. Box 1603, Vista, CA 92083-0530. Ads and other material for Scope to PO Box 73, Vista 92083 by Wed. two weeks before the club meeting.

EXECUTIVE COMMITTEE MEETING

The Executive Committee, consisting of the officers of the Club and the Chairmen of its committees, meets at 7:30 p.m. on the second Thursday after the club meeting at the home of various of its members. The February meeting will be at the home of WB6IQS.

At the January meeting at the home of WB6IQS, the Committee heard and approved the Minutes of the last meeting; and the Treasurer's Report. The Committee OKed the installation of coax for the amateur radio installation in the City of Carlsbad Safety Center. W9FQN reported that work is to start on the camping trailer. Further work on the repeater building was also discussed. It was a dandy meeting and the tasties were just that.

Feb 89

>>>>>>— President's Message —<<<<<<

* = * O N D E C K * = *

The following are "on deck" for the February meeting:

Coffee -> Leo-N6TUR

Goodies-> Barbara-KA6FPS

Vanessa-WB6BHE

###—CLUB OFFICERS—###

It takes many individuals to make a club this size run somewhat smoothly and I want to take this opportunity to thank all of you who have helped the club in any way during 1988. I especially want to thank Ted Demos, N6CKH, our past vice-president, and Jo Ashley, KB6NMK, our past secretary, for helping the club through a very busy year.

It appears as though the club is especially hard on Vice-presidents since the biggest turn-over among the officers appears in this position. This comes from their having responsibility for the club's programs and it is a real challenge to provide high quality programs such as our club has seen in the past. During the past four years that I have been president of PARC, the club has had as vice-presidents (program chairman) Larry de Montegre-WQ6V two years, Bob Brehm-KB6QC, and Ted-N6CKH. Usually our vice-president at the end of a year is so exhausted that the club "never" sees them again which is unfortunate.

This year we are attempting to turn the club programs over to a committee hoping that we will relieve some of the pressure on the vice-president. If anyone has suggestions for programs, please contact Mac-NH6EW who is our new vice president and he will consider your suggestion along with the recommendations of our program committee. Remember that it is difficult to get a quality program that appeals to everyone: Novice, Technician, General, Advanced, Extra, DXers, Technical, Traffic, Emergency (ARES/RACES), VHF, UHF, HF, LF, etc. We try to do our best to get programs that appeal to the majority of members or we try to inform you of another field of amateur radio in which you might

not be well versed. We need your help in suggesting programs of interest to you.

###— 1 4 6 . 7 3 0 —###

Several weeks ago while talking to a non-club member from San Diego I was told how at a meeting out East several of the committee who were amateurs started talking about the sad state of affairs with the repeaters in Southern California. The usual things were discussed: foul language, jamming, non-friendly repeaters, etc. One of the Eastern amateurs butted into the conversation and said that while that might be true with some repeaters, that it certainly was not true of the 146.730 repeater which he uses on Palomar Mountain when he has conferences in San Diego. It's nice to be recognized in such a positive way.

We need to remember club policy while using the repeaters: a) be friendly to all, b) don't correct someone on the air or be short with them, c) invite them to club meetings, and d) encourage them to check into any of our evening nets.

Several problem areas that we still have on the repeater are users acknowledging interference. Don't feed the ego of a jammer. We have also noticed several new and also old members "broadcasting" by including messages with their calls such as, 1) YOU DON'T NEED TO ANSWER THIS BUT I WILL BE HOME IN 10 MINUTES, or 2) IF YOU ARE LISTENING, I WILL BE COMING HOME LATER THIS EVENING. The FCC does not permit "broadcasting" by amateurs although they do permit QSTs where it is of general concern to amateurs. The clever ones (you) can find other ways of not violating FCC rules. Make your call and include your location or sign off with "this is W6XXX Escondido." I am sure your friend (wife?) can figure that one out. You could even make a contact with someone and just mention that your going to be headed home 30 minutes later than usual.

One of my personal pet peeves is the station calling: "W6XXX THIS IS W9XXX, ARE YOU OUT THERE FRITZ?" or the HF operator

who comes on and makes five calls within a one minute period for a friend not realizing that we are on a fixed frequency with no tuning required. Multiple calls on 20m SSB are necessary since your friend needs to look for you but not on 146.730.

PARC doesn't have the problems of the CB band because we care about proper operating procedures. With many new amateurs coming up on frequency, let us try to set good examples for the newly licensed as well as those of us who forget from time to time.

Remember, if you hear a club officer or control operator "playing into the jammer's hands," he is probably doing so for A GOOD REASON!

###---REPEATER SITE GENERATOR---###

The Executive Committee has voted to look into converting the club's 3.5 kw gasoline AC generator over to propane and mounting it at the repeater site to use in case of emergencies. This would allow us to charge our 1,200 Ahr of batteries. Does anyone know a company where we might be able to have this conversion done for us or could we do it ourselves?

This generator is a push button, battery started unit so we would be able to control it through our regular control system. We would also be able to use the generator with our house trailer since the trailer has two propane tanks. Propane would keep us from "messing around" with gasoline and allow us to operate for longer periods of time without needing to refuel.

We have considered solar cells but because of tall trees surrounding us we are afraid that we would receive limited energy from the sun and in bad weather we would receive practically nothing. Also the tower was not designed with the wind loading requirements of solar panels. We have looked at a wind generator and feel that this might be a possibility but we would have the added problems of limited wind loading, sound noise, electrical noise, and tower vibration. A gas generator is messy unless it is converted

to LP. At least it is independent of our tower and only functions on demand.

##---SIMULATED EMERGENCY TEST(SET)---##

The SET messages were "dumped" before Thanksgiving and they landed on a Sunday night net with Ralph-K6HAV doing the honors. There were approximately 50 messages handled in less than 60 minutes with 146.730 and 147.135 both being used. I have the following comments about the test:

- A) Net control stations should be able to monitor both repeaters.
- B) Non-net members need more training in message handling.
- C) This test should be held each year.
- D) We need Packet outlets for traffic.

###---POTPOURRI---###

NEED some information on an AEA CK-1 3x4 tone pad which has a volume control, speaker, a switch, and three plug sockets to be used on repeater control circuits. Contact me, W9FQN.

Don't forget that you get one ticket for each club event that you "sign-in" for: Club meetings, Field Day, Picnic, and other designated events. These free tickets are used for a prize drawing at the club Picnic each August.

CABLE TV INTERFERENCE - Larry-WQ6V has indicated that if you are getting into someone's cable TV, you should first listen to 145.250 on your HT. If you hear a signal, track it down with your HT using DFing techniques. You could find the leak in the complaining house, at a splice, underground, pre-wired box, or on a pole. Once you locate the leak(s), it is highly probable that your signal(s) are entering the cable at this leaking location. The 145.250 signal is video information on channel 18 (E). Once you locate the leak, call your local cable company and they will come out immediately to fix the problem.

Nash-W6HCD has suggested that we write letters to the "powers that are" indicating that we would like to see an initiative which states that the legislatures would have their salary cut a certain percent for

each initiative on the ballot above a certain level. Interesting! I could vote for that!

The club's assets are now nearing the \$40,000 mark: Property \$20,000, equipment \$18,000, trailers \$500 and assorted items \$1,500. Thanks for your support.

Please add Chuck-N6TEP to your list of German translators.

###—C L U B H O U S E—###

The club has many projects "on going" at present but not all club members are involved in these projects. One project which has been mentioned from time to time is the building of a house on our property at Palomar Mountain. We have about 1/3rd acre of land and a water share which would allow us to build a nice "Radio Shack" (no pun intended) for our members to use on weekends and during their vacations.

We could charge a modest fee for rent which would allow us to pay off the mortgage on the building plus leaving a little left over to finance improvements to the repeater site.

\$20/daX365da=\$7300/yr
 \$7300/yrX20%use=\$1460/yrx10yr=\$14,600
 \$7300/yrX40%use=\$2920/yrx10yr=\$29,200
 \$7300/yrX60%use=\$4380/yrx10yr=\$43,800

If we could get our membership to pledge renting for at least one day a year we would come close to renting it every day of the year! Just think, you could leave the sunny valley floor of San Diego County and spend 4-5 days in the cooler refreshing mountain air (or snow) on Palomar Mountain with your kids or grand children. There are fantastic views with three to four beautiful parks on Palomar Mountain for picnics and it is always fun visiting the Palomar Observatory.

We could set up an amateur radio station (HF, UHF, VHF, etc.) from equipment bought or donated to the club so that members living in "condominiums" or in restrictive deed areas could have access to a radio station and those members with HT's would at last be able to hit the repeater

full quieting! Have you ever used a beam or an 80 meter dipole on a 5,700 foot tower?

We might consider some of the following:

! Building cost	! Financing methods!
! Insurance costs	! Radio facilities!
! Site impact	! Radio Interference!
! Projected income	! Taxes
! Potential use	! Other _____ ? !

It would appear that the cost of any structure of this type could be reduced by club members' donation of TIME, LABOR, SERVICES, and MATERIALS. The club could raise money through special money raising projects, gifts, and/or a loan from "the Friends of PARC" as was done with the original purchase of the repeater site property.

A house would also give the club more space for repeater expansion. If we were to consider something like this, there would have to be a project manager who had responsibility for seeing that everything was properly supervised so that the Executive Committee only had to decide the "larger issues" and did not become involved in the "day to day" supervision of the project.

###—THANKS—###

THANKS to Dennis-N6KI for taking items donated up to the TRW swap meet and converting the items into \$\$\$... we really appreciate it Dennis.

THANKS to Frank-WB6HFE for getting us a room in the Carlsbad Safety Center for RACES/ARES communication equipment. The the location of the Safety Center is: North of the intersection of Palomar Airport Road and El Camino Real, then West on Faraday past Beckman instruments to the Safety Center. Actually, just follow the Safety Center signs. Enter the south door near the flags, then down to room 180 near the restrooms.

73 de Stan W 9 F Q N

AMATEUR RADIO POSTAGE STAMP REPLICA PINS

The Club still has for sale (\$5 a shot) some of the attractive amateur radio postage stamp replica pins. See Ron, WI6B or Stan, W9FQN.

JANUARY CLUB MEETING

At the January club meeting, the minutes of the previous meeting and the Treasurer's report were heard and approved; committee reports were heard. W9FQN reported that KA6UAI/R was off the air pending replacement. Members were reminded that changes in address, names, call signs, class or date of license now need to get to the Membership Chairman, Jo, KB6NMK, and if you want credit for it in the Scope, let K6HAV know about it.

The program was presented by Bob Rose, K6GKU, of the Naval Ocean Systems Center, who gave us a very informative illustrated program on the effect of solar activity on radio wave propagation.

The coffee and tasties were courtesy of Mac, NH6EW, and all the good guys who brought the no-cal goodies. 75 members and guests signed in.

+++++
 + FRED ELSER, KH6CZ, FOUNDER OF PARC, SK +
 + John Martin, W6SE, one of the Club's charter members has written to the +
 +Scope of the passing of Fred Elser, KH6CZ: +
 + "I noticed in the QST Silent Keys column that Fred Elser had passed +
 +away. As you know, he was the real founder of PRC. I first knew of him +
 +when he was 3AA, later KA3AA, out in the Philippines. During the twenties +
 +he did a number of articles for QST, among which there was an account of +
 +his trip through Europe in a model T Ford. He carried ham equipment with +
 +him. Later, he attended and graduated from Massachusetts Institute +
 +of Technology, after which he came to Carlsbad where his family had a +
 +considerable investment. It was there he lived when he was so instrument- +
 +al in the founding of PRC. At that time his call was W6GVU. He left our +
 +area in the late thirties and followed a career in the army, occasionally +
 +hamming from remote parts of the world." +
 ++++++

SURVIVORS' ASSISTANCE COMMITTEE

Through its Survivors' Assistance Committee, the Club provides aid to survivors of Silent Key amateur radio operators in the disassembly and disposition of the SK's radio station and associated equipment. The Committee is ad hoc, and is made up of two or more club members, one of whom who is hopefully known to the survivor. The Committee contacts the survivor and offers the Club's assistance in the sorrowful task when it is desired by the survivor.

Club members should make this information known to their family in order that the family will be aware of the Club's availability to assist. By letting the Club do it, the survivor is insured that the equipment will be disposed of in accordance with the wishes of the SK and the survivor(s); and that there is no need to listen to the many helpful "friends" so quick to arrive on the scene.

The Committee, when requested to do so, inventories the equipment, gives the survivor(s) a copy of the inventory, prices it for sale, disassembles the station and disposes of it as requested by the survivor. The Committee reports to the survivor(s) and to the Executive Committee.

 THE 220 CLUB OF SAN DIEGO WELCOMES PARC MEMBERS ON WD6HFR/R, ITS 224.900
 MHZ REPEATER, which is co-located with W6NWG/R at the PARC site on Mt.
 Palomar; and, like W6NWG/R, has battery back up. Feel free to use it.

Feb 89

VOLUNTEER EXAMINER PROGRAM

At the January tests our PARC VE team gave 15 test elements to nine applicants, who passed a total of 12 elements.

Congratulations to club members Steve Barry, no license to Technician; Walt Bloodgood, to General from waiting for his Technician license; Richard Payne, N6RKD, passed Element 1B (13 wpm) and is one element away from Advanced; and Gerry Sandford, KC6BJM, to Technician with credit for Element 3B from Novice.

Our test crew was: KI6JM reception; WB6R CW exams; W6KCB, AA6KY, and W6YYV VES; and paperwork by N6NNI, N6KI, and K6HAV. de K6HAV

FCC LICENSE EXAMINATIONS in north county are conducted by PARC examiners, under the auspices of SANDARC-VEC at the Joslyn Senior Center, (behind the City Hall) 111 Richmar Ave., San Marcos on the second Saturday of the month starting at 10:00 a.m.

Examinations are also given on the 1st Saturday in El Cajon, the 3rd in Normal Heights, the 4th in Chula Vista, and the last Saturday in Escondido. Applicants must send a S.A.S.E., a completed, signed FCC Form 610 (NO PHOTO-COPIES) and copies of license(s) and Certificate(s) of Successful Completion, if any, to SANDARC-VEC, Post Office Box 2456, La Mesa, CA 92044 10 days before the test date. Bring ORIGINAL licenses and Certificates.

EMPLOYMENT OPPORTUNITIES

If you have an FCC 1st or 2nd class Radiotelephone license and are interested in a radio officer's job on a U.S. flag merchant ship, call the Manager, Marine Personnel, Maersk Line, Ltd (201) 514-5548 for more info. (From an ad in 12/88 QEX.)

TV servicer needed for fast growing Encinitas company. Road position open (home service). Will consider full or part time positions. Light technical background required. Call Paul, KZ6X, 436-2900.

NEW MEMBERS, REENLISTMENTS, UP-GRADES, NEW CALL SIGNS

UPGRADE: Ed Carry, K6ICG, to Amateur Extra Class; Walt Bloodgood to General; Steve Barry to Technician; and Gerry Sandford, KC6BJM, to Technician. Congratulations.

WELCOME GNU CLUB MEMBERS: Steve Barry, Escondido; George Lounsbury, KC6BGX, Escondido; Jim O'Hara, W4OYN, San Diego (2 yrs.); Dan Mullins, WL7BLM, Carlsbad; Charles Cohen, W3CRU, Encinitas; Charles Inskeep, K6ERW, Jamul - not to be confused with his dad, Chuck, W6IRM also a PARC member.

RENUDE MEMBERS: Tom & Wilma Healey, N6NNQ & N6NNP; Hark Harker, WB6WGT; Charles Miele, N6TEP.

CHANGES IN MEMBER INFORMATION: When you up-grade, get a gnu call sign, change your address or name, please let us know for the Scope and the Club records. Our crystal ball has never quite lived up to the glowing ads for which we bought it in the first place.

REPEATERS

KA6UAI/R on 147.135 was off the air for two weeks due to mouse damage to wiring. Eric left it off the air until he could get a recently purchased replacement, a Micor repeater, crystallized up. This repeater is the same general model as the very reliable 146.730 machine; and too is capable of battery operation.

The new 147.135 machine went on the air January 17th and will have emergency power battery backup when the batteries are available. First reports indicate good signals down Sam Dago way.

THREE REPEATERS, two W6NWG/R, are owned and operated by the Club. One has an input of 146.130 MHz and an output of 146.730 MHz. Input for another is 444.425 MHz and output is 449.425 MHz. The third, W6NWG, is a packet digipeater on 145.050 MHz. All are on the Club's property on Mount Palomar at about 5,600'; and are open repeaters for club members and occasional and transient users.

CO-LOCATED WITH W6NWG/R is KA6UAI/R on 147.135 (+) which too is available to PARC members during its trial period in the PARC building. Its use as a W6NWG/R overflow machine is encouraged. It will have battery backup - soon.

THE CLUB'S POLICY REGARDING INTERFERENCE ON THE REPEATERS IS to IGNORE IT! Don't give the jammer what he or she craves - notice and attention. Carry on your QSO or sign off or move to simplex, but do NOT acknowledge the crazies. At the same time, try to hear the interfering signal on the input of the repeater and, if possible, determine the direction of the source.

DONATE IT TO THE CLUB if you can't sell it or aren't up to hauling it to the flea markets. The Club will sell it and put the money in the Equipment Fund to buy that new repeater, antenna, or feedline. See any club officer.

POWAY ARS 147.03-.09 MHz HIGH-LEVEL REPEATER PAIR TO NEW "MANAGEMENT"?

We note in its January issue of The Call Letter, the Poway ARS has voted to trade its coordinated 147.03-.09 high-level repeater frequency pair to the East County Repeater Association (an "association" of one or two folks). In trade for which PARS members will have "unlimited privileges" on the ECRA system. PARS will also get a low-level repeater pair at 147.225. This will get PARS off of the hook and out of the "high rent" district (\$50/month or more) which was a tad steep for them.

FORESAIL

(That's the spirit, sail!)

Assorted tubes (transistor antecedents) all test good, \$1 ea. Call Dennis, N6KI, 271-6079.

Collins 75S3-B rx, WE, mint condx, \$275. Call Krist, W6KTE, 941-3555.

Kenwood TH-215A, new, w/xtra btry, \$275. Call Tom, N6NNQ, 456-1910.

Complete RTTY, CW, ASCII setup: AEA CP-1 Computer Patch, Vic-20 computer w/monitor, Datasette, software, all manuals. Call Ralph, K6HAV, 727-5866.

Icom IC-u2AT 2M HT; IBM Correcting Selectric II typewriter, Collins R/E single wire ant. tuner 180S-1. Phone Allen, N7AMR, 434-5656.

6146 tubes. Call Glen Schmidt, 727-4004.

Swan Cygnet 260 HF xcvr, \$125; 2M 11-elm beams, \$30 & \$35; new panel meters, \$4 & up; Heathkit mike, \$5; Call Jerry, W6YLA, 758-1134.

AEA Model MBA-RO CW, RTTY, ASCII reader, \$140; BK 501A Semiconductor Curve Tracer, \$10. Call Ralph, K6HAV, 727-5866.

Various vacuum tubes, all tested; Probemaster X10 attenuator kits, \$15. Call Sandy, K6HE, 745-6940.

Great DX location overlooking beautiful downtown Vista and environs. Call Bill, K6GJD, 726-2029.

Tempo 1 HF xcvr (80-10M), xlnt condx - recently aligned; DC & AC pwr supplies; Shure 404C mike; xtra parts & tubes incl finals. The whole package for \$200. Call Mike, W6IIS, 578-2957.

Instant RTTY CW. Vic 20, w/monitor & Datasette, Hamsoft, plus programs on cassette MFJ 1228 interface, manuals Can't type so it's for sale or trade. Call Mick, W6FGE, 222-3912.

Feb 89

WANTED

Crystal stand w/cat's whisker for old timey crystal set. Call Al, W7HGS, 755-7347.

MFJ 949 Versatuner. Call Russ, W6HZJ, 728-8925

Flat pack Touch Tone keypad w/flex ribbon and 8-pin header, w/o tone osc OK. Need pin out info. 12 button telephone format w/* & # symbols req'd or can make do with a 16 button if pin out info available. PIPO type or look alike OK. Also want variometers and variocouplers and similar radio junk from the 20s. Call Mick W6FGE, 222-3912.

For Flying Samaritan honor student, reasonably priced word processor hardware/software. Call Nash, W6HCD, 728-3574.

Schematic for DSI 5612 freq. counter; Icom IC-22A in working condx. Call Dennis, N6KI, 271-6079.

OFFICIAL CLUB BADGES are available from John Tentor, W6OLQ. John is a stickler and requires, not only money but, that you let him in on your name and call sign if you want them on your VERY own badge - like the big guys.

JOIN THE ARRL - AND GIVE THE CLUB NUMBER WHEN YOU DO

The American Radio Relay League is the national Amateur Radio entity to which you should belong if you want to support your hobby. If you're not an ARRL member you should be! Who else do you have to lobby for your hobby?

When joining/rejoining the ARRL, do it via the Club which will receive a modest stipend otherwise going to the ARRL. Make your check payable to the Club and get it, with your membership application, to Treasurer Ron, WI6B. If your new ARRL membership application includes the PARC number (1703), the Club will get \$5 from your membership - and -- mo akai issen kakaranai!

SURPLUS GOODIES of the electronic persuasion at HIGHWAY COMPANY in the plain, unmarked white building at 305 W. Wisconsin Ave., Oceanside. See their ad in this issue. Alexander Battery Co. West, 520 State St., Escondido, phone 480-4445. has many batteries for HTs and other uses. Aluminum, brass, copper, stainless steel, etc. at Escondido Sales at 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, nicads at Industrial Liquidators, 683 S. Rancho Santa Fe Rd., San Marcos; and 4887 Convoy St., San Diego, and at Gateway Electronics, 4633 Convoy St. HIGHWAY CO. is our ONLY advertiser in this group.

ELECTRONICALLY ORIENTED FLEA MARKETS ARE: The El Cajon ARC ham-computer-electronics swap meet at the Santee Drive-in theater on Woodside Ave at Hwy 67 in Santee at 0700 on the first Saturday of the month.

The General Dynamics ARC swap meet on the 2nd Saturday in Cucamonga in the Gen. Dyn. parking lot east of Haven on Fourth Ave, starting at 0700.

The TRW ARC flea mart at the corner of Compton and Aviation Blvd. in Manhattan Beach on the last Saturday of the month at 0700.

THE PALOMAR AMATEUR RADIO CLUB SPONSORS THE FOLLOWING NETS:

THE NORTH COUNTY TRAFFIC NET meets nightly on 146.730 MHz (-600 kHz) at 2000 local to handle formal written traffic. Visitors are welcome. Net Managers are KI6ZM & KB6PCF.

THE NORTHERN DISTRICT, SAN DIEGO SECTION AMATEUR RADIO EMERGENCY SERVICE (A.R.E.S.) NET meets on 146.730 MHz each Sunday at 0830 to provide A.R.E.S. and emergency and public service planning information to the members of the Service. Visitors are welcome, when called for after the member roll call.

THE SAN DIEGO COUNTY MICROWAVE NET meets on 146.730 MHz each Monday at 2100. This net is to disseminate microwave information and is open to the old timer and the beginning microwaver. All are welcome. Kerry, N6IZW, is net control station. If you can't check in, at least give us a micro wave.

THE SAN DIEGO COUNTY PACKET RADIO VOICE NET meets on 146.730 MHz each Tuesday (except the 1st Tues. of the month) at 2100. This net is to provide information on Packet Radio for the beginner and the advanced packeteer. All are welcome. Paul, KB5MU, is net control station.

THE SAN DIEGO COUNTY PERSONAL COMPUTER NET meets on 146.730 MHz each Wednesday evening (except for the 1st Wed. of the month) at 2100 to share information on computers. Chuck, KI6TG, is NCS, and he welcomes those with problems, information, questions, solutions, answers on any type PC.

THE FCC IN GETTYSBURG SAYS:

The last Amateur Radio licenses issued in the 6th call area as of 01/1/89 were: AA6MB, KJ6PM, N6TYB, KC6BKJ.

DOWN THE TOOBE

Leona Wallace, WA6OHB, sends an "exceptional" postcard, taking exception to a remark in the Scope about "no one" reading the Scope since that makes her "no one" because she reads it cover to cover. Thanks, Leona.

Mary, KB6NZA, reports the passing, in mid-October, of former club member Nate Hassel, K2RTQ. Nate was in poor health for some time.

The January QST has all of the date, time, frequency information for contests and WIAW bulletin and code practice skeds in it. You might want to mark your calendar now - Field Day is 24-25 June.

Ann Middleton certainly did a nice article on ham radio in the Sunday, 8 Jan. Escondido Times-Advocate. She plainly did enough research to familiarize herself with the ham jargon. The only discrepancy I saw was flattering to me as I came out several years younger than the vital stats say I am. Ann took a lot of time and did plenty of asking and listening as she wrote. Thanks for the nice article and the time you took on it, Ann.

"That's all", she wrote!



JOIN ARRL

BENEFITS FOR YOU

QST, QSL Bureau, Awards, Low Cost Insurance, Operating Aids, Government Liaison and More.

MEMBERSHIP APPLICATION

*Enter 4-digit code for sponsoring club, if any:

1 7 0 3

Send to:

The American Radio
Relay League, Inc.

225 Main Street
Newington, CT 06111



Name _____

Call _____

Street _____

City _____

Prov./State _____

PC/Zip _____

\$25 in U.S./\$30 in Canada/\$33 elsewhere (U.S. funds)

Persons, age 17 or under or age 65 or over, upon submitting proof of age, may request the special dues rate of \$20 in the U.S. (\$25 in Canada, \$28 elsewhere in U.S. funds)

For postal purposes, fifty percent of dues is allocated to QST, the balance for membership.

Charge to AMEX, VISA or MC No. _____

Valid from _____ Good through _____

*Note:

If you are joining the ARRL for the first time and you wish to thank the ARRL-Affiliated Club that introduced you to the ARRL, please enter its 4-digit code (club members can tell you what their code is) in the space provided at the top.

WESTCOM

**DIAMOND DUO-BAND BASE AND MOBILE
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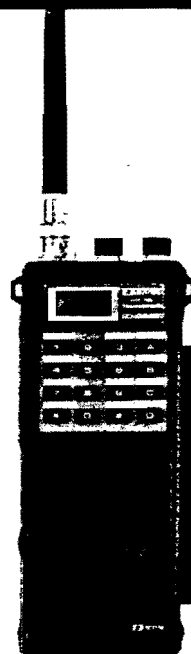


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10:00am til 5:30pm
Phoenix (602) 242-3515
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Mail form with \$\$ to PARC, P.O.Box 1603, Vista, CA 92083-0530 or hand to Jo, KB6NMK at Club meetings. Dues (including SCOPE) are \$12 a year plus \$9 a year for each additional family member. Dues are pro-rated for new members: Aug, Sept. Oct. \$12, Nov. \$9, Dec. \$8, Jan. \$7, Feb. \$6, March \$5, April \$4, May \$3, June \$2, July \$1. Consider paying for two or three years at a time. Call, name and complete address are important. Telephone can be unlisted in roster if requested. Any of the other information requested may be omitted if you feel uncomfortable giving it to us.

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Date 1st Licenced _____ Date of birth _____ Thos. Bros. _____
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